

2017 AWWA Water Audit Level 1 Validation

Water System Name: Vista Irrigation District Water System ID Number: CA3710027 Water Audit Period: Fiscal Year 2017/18

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

In April of 2018, the Vista Irrigation District completed its Potable Water Master Plan that provides a comprehensive review of the Vista Irrigation District's potable water supply and distribution system and develop a structured program to identify system improvements necessary to meet existing and future demand conditions. System improvements are identified through a condition assessment of existing facilities and distribution system hydraulic analyses. This effort includes an updated and calibrated hydraulic model that accurately reflects the current distribution system demands and operating parameters.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

ELTON BARGE General Manager Elton Barge Signature 10/1/18 Date

Executive Name (Print) Executive Position Signature Date

2017 AWWA Water Audit Level 1 Validation – Review Document

Audit Information:

Utility:	Vista Irrigation District	PWS ID:	CA3710027
System Type:	Potable	Audit Period:	Fiscal Year 2017-2018
Utility Representation:	Brent Reyes		
Validation Date:	9/20/2018	Call Time:	12:00 pm
		Sufficient Supporting Documents Provided:	Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score:	65	Data Validity Band (Level):	Band III (51-70)
ILI:	0.81	Real Loss:	18.90 (gal/conn/day)
		Apparent Loss:	13.85 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 3.2%			

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Tony Wagoner Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided